

INTERNATIONAL SEARCH REPORT

International Application No
PCT/EP2004/050036

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 H04Q7/36

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 H04Q

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal

C. DOCUMENTS CONSIDERED TO BE RELEVANT

| Category * | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No. |
|------------|--|----------------------------------|
| X Y | US 6 442 387 B1 (RYYNAENEN JARI ET AL) 27 August 2002 (2002-08-27) abstract column 1, line 37 -column 3, line 50 claims 2-7 figures 1,2A,2B --- -/- | 1-4, 7-12,15 5,6,13, 14 |

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents :

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

- *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- * & * document member of the same patent family

Date of the actual completion of the international search

3 June 2004

Date of mailing of the international search report

25/06/2004

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

| Category * | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No. |
|------------|--|---|
| X A | <p>GB 2 376 605 A (MOTOROLA INC) 18 December 2002 (2002-12-18) abstract</p> <p>page 1, line 7 - line 11 page 3, line 15 -page 5, line 28 page 7, line 24 -page 8, line 17 page 11, line 4 - line 11 page 16, line 8 - line 16 page 18, line 4 - line 6 page 20, line 16 -page 22, line 26 figures 2,4 table 1 claims 3,4,7</p> | <p>1,4,7-9, 12,15 2,3,5,6, 10,11, 13,14</p> |
| Y A | <p>WO 99/02004 A (ERICSSON TELEFON AB L M) 14 January 1999 (1999-01-14) abstract</p> <p>page 1, line 3 - line 6 page 6, line 31 -page 7, line 21 claim 4 figures 1,3</p> | <p>5,6,13, 14 1-4, 7-12,15</p> |
| A | <p>US 5 701 585 A (FALLGREN ANNA ET AL) 23 December 1997 (1997-12-23) abstract column 2, line 1 - line 16 column 3, line 32 -column 5, line 33 figures 1-3</p> | <p>1-15</p> |

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Information on patent family members

International Application No
PCT/EP2004/050036

| Patent document cited in search report | | Publication date | Patent family member(s) | | Publication date |
|---|----|---------------------|----------------------------|--------------|---------------------|
| US 6442387 | B1 | 27-08-2002 | FI | 970754 A | 22-08-1998 |
| | | | AU | 734836 B2 | 21-06-2001 |
| | | | AU | 6217298 A | 09-09-1998 |
| | | | CN | 1248359 T | 22-03-2000 |
| | | | EP | 0962066 A2 | 08-12-1999 |
| | | | WO | 9837646 A2 | 27-08-1998 |
| | | | JP | 2001511990 T | 14-08-2001 |
| | | | NO | 994028 A | 20-08-1999 |
| ----- | | | | | |
| GB 2376605 | A | 18-12-2002 | NONE | | |
| ----- | | | | | |
| WO 9902004 | A | 14-01-1999 | GB | 2327014 A | 06-01-1999 |
| | | | AU | 749226 B2 | 20-06-2002 |
| | | | AU | 8801798 A | 25-01-1999 |
| | | | CA | 2295297 A1 | 14-01-1999 |
| | | | WO | 9902004 A1 | 14-01-1999 |
| | | | US | 6556829 B1 | 29-04-2003 |
| ----- | | | | | |
| US 5701585 | A | 23-12-1997 | AU | 698013 B2 | 22-10-1998 |
| | | | AU | 4277296 A | 03-07-1996 |
| | | | BR | 9509988 A | 30-12-1997 |
| | | | CA | 2207734 A1 | 20-06-1996 |
| | | | CN | 1175342 A ,B | 04-03-1998 |
| | | | EP | 0797902 A2 | 01-10-1997 |
| | | | JP | 10511237 T | 27-10-1998 |
| | | | WO | 9619088 A2 | 20-06-1996 |

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

Continuation of Box II.2

Claims Nos.: 16,17

The present independent claims 16 and 17 are unclear to such an extent that no meaningful search could be carried out (Article 17(2)(a) and (b)). The reasons are as follows:

The current formulation of independent claims 16 and 17 does not fulfill the requirements of Article 6 PCT as they include an ambiguous reference (i.e. "substantially as hereinbefore described") such that the scope of said claims cannot be precisely determined (see PCT Guidelines, Part II, Chapter 5, Paragraphs 5.32 and 5.38). In particular it is not clear to which technical features the term "as hereinbefore described" refers.

In addition, independent claims 16 and 17 rely on references to drawings (i.e. expression "with reference to accompanying drawings"), which is not allowable, see Rule 6.2(a) PCT and also PCT Guidelines, Part II, Chapter 5, Paragraph 5.10.

The applicant's attention is drawn to the fact that claims, or parts of claims, relating to inventions in respect of which no international search report has been established need not be the subject of an international preliminary examination (Rule 66.1(e) PCT). The applicant is advised that the EPO policy when acting as an International Preliminary Examining Authority is normally not to carry out a preliminary examination on matter which has not been searched. This is the case irrespective of whether or not the claims are amended following receipt of the search report or during any Chapter II procedure.

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Box II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☐ Claims Nos.:
because they relate to subject matter not required to be searched by this Authority, namely:
2. ☒ Claims Nos.: 16, 17
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
see FURTHER INFORMATION sheet PCT/ISA/210
3. ☐ Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

1. ☐ As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☐ No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest.
- ☐ No protest accompanied the payment of additional search fees.

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